

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|  |   |                                 |
|--|---|---------------------------------|
| In re Application of: P. Quigley, et al.       | ) |                                 |
|  | ) |                                 |
| Serial No.: NYA                                | ) | Group Art Unit: 3617            |
|  | ) |                                 |
| Filed: October 2, 2003                         | ) | Examiner: Avila, Stephen P.     |
|  | ) |                                 |
| For: <i>Buoyancy Control Systems for Tubes</i> | ) | Attorney Docket No.: FPY-083.02 |
|  | ) |                                 |

Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.56 and 1.97**

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants and/or their Attorney in compliance with the requirements of 37 C.F.R. § 1.56. Applicants respectfully request that the Examiner consider the listed documents and indicate they were considered by making appropriate notations on the attached Form PTO-1449.

Copies of the references are not provided as they were previously cited by or submitted to the office in prior patent application serial no. 10/134,660, filed April 29, 2002, and relied upon for an earlier filing date under 35 U.S.C. §120.

In compliance with the requirements of 37 C.F.R. §§ 1.56 and 1.97, Applicants have cited for the Examiner's consideration a co-pending U.S. patent application that is owned at least in part by the assignee of this application and that describes subject matter related to the present application. The co-pending application is listed herewith in accordance with M.P.E.P. 609 III.D which states: "Applicants may wish to list U.S. patent application numbers on other than Form PTO-1449 or PTO/SB/08A format to avoid the application numbers of pending applications being published on the patent. If a citation is not printed on the patent but has been considered

by the Examiner in accordance with this section, the patented file will reflect that fact as noted in subsection III.C(2) above.”

No copy of the co-pending application has been provided. If the Examiner wishes to have a copy of the co-pending application, the Examiner should contact the Attorney of record.

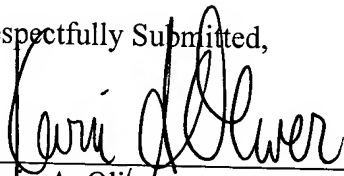
| Our Docket # | Serial #   | Date Filed     | Title                                     |
|--------------|------------|----------------|---|
| FPY-083.01   | 10/134,660 | April 29, 2002 | <i>Buoyancy Control Systems for Tubes</i> |

This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that the cited documents are material or constitute “prior art.” If the Examiner applies the listed documents as prior art against any claim in the application and Applicant determines that the cited documents do not constitute prior art under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicant further reserves the right to take appropriate action to establish the patentability of the claimed subject matter over the listed documents, should one or more of the referenced documents be applied against the claims of the present application.

No fee is believed due. If a fee is occasioned or if extensions of time are necessary, please charge any fee deficiency or credit any overpayment to Deposit Account, **No. 06-1448, Ref. FPY-083.02.**

Date: October 2, 2003  
**Customer No: 25181**  
 Patent Group  
 Foley Hoag LLP  
 155 Seaport Blvd.  
 Boston, MA 02110  
 Tel. (617) 832-1000  
 Fax (617) 832-7000

Respectfully Submitted,

  
 Kevin A. Oliver  
 Reg. No. 42,849

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
*(Use several sheets if necessary)*

Docket Number (Optional)  
 FPY- 083.02 (22823-8302)

Application Number  
 To be Assigned

Applicants  
 Quigley, et al.

Filing Date  
 October 2, 2003

Group Art Unit  
 3617

**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE      | NAME    | CLASS               | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|-----------|---------|---------------------|----------|-------------------------------|
|                     | A1              | 646,887   | 04/1900 | Stowe et al.        |          |                               |
|                     | A2              | 1,930,285 | 10/1933 | Robinson            | 113      | 116                           |
|                     | A3              | 2,648,720 | 08/1953 | Alexander           | 174      | 34                            |
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|                     | A5              | 2,725,713 | 12/1955 | Blanchard           | 57       | 149                           |
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Form PTO-1449

| <b>INFORMATION DISCLOSURE CITATION</b><br><b>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i> |     |           |         | Docket Number (Optional) |     | Application Number |  |
|--|-----|-----------|---------|--------------------------|-----|--------------------|--|
|  |     |           |         | FPY- 083.02 (22823-8302) |     | To be Assigned     |  |
|  |     |           |         | Applicants               |     | Group Art Unit     |  |
|  |     |           |         | Quigley, et al.          |     | 3617               |  |
|  |     |           |         | Filing Date              |     | Group Art Unit     |  |
|  |     |           |         | October 2, 2003          |     | 3617               |  |
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**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)

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Group Art Unit  
3617

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| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i> |      |              |         | Docket Number (Optional)<br>FPY- 083.02 (22823-8302) |     | Application Number<br>To be Assigned |  |
|--|------|--------------|---------|--|-----|--------------------------------------|--|
|  |      |              |         | Applicants<br>Quigley, et al.                        |     |                                      |  |
|  |      |              |         | Filing Date<br>October 2, 2003                       |     | Group Art Unit<br>3617               |  |
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# **FOREIGN PATENT DOCUMENTS**

|  | DOCUMENT NUMBER |            | DATE    | COUNTRY        | CLASS | SUBCLASS | Translation |    |
|--|-----------------|------------|---------|----------------|-------|----------|-------------|----|
|  |                 |            |         |                |       |          | YES         | NO |
|  | B1              | 0024512 A1 | 03/1981 | European       |       |          |             |    |
|  | B2              | 0352148 A1 | 01/1990 | European       |       |          |             |    |
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|   | C23 | Shuart J. M. et al., "Compression Behavior of $\pm 45^\circ$ -Dominated Laminates with a Circular Hole or Impact Damage," AIAA Journal 24(1): 115- 122 (January 1986)  |
|   | C24 | Silverman A. Seth, "Spoolable Composite Pipe for Offshore Applications," Materials Selection & Design, pp. 48-50 (January 1997)  |
|   | C25 | Rispler K. et al., "Composite Coiled Tubing in Harsh Completion/Workover Environments," Paper presented at the SPE GAS Technology Symposium and Exhibition held in Calgary, Alberta, Canada, on March 15-18, 1998, pp. 405-410   |
|   | C26 | Williams G. J. et al., "Composite Spoolable Pipe Development, Advancements, and Limitations," Paper presented at the 2000 Offshore Technology Conference held in Houston Texas from 1 <sup>st</sup> to 4 <sup>th</sup> of May 2000, pp. 1-16   |
| EXAMINER  |     | DATE CONSIDERED  |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. |     |  |